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What is claimed is:

1. (previously presented) A composition comprising:
water;
a corn hemicellulose in solution in said water; and
a surfactant, said surfactant being present in an amount effective to reduce the viscosity of said solution.
2. (original) A composition according to claim 1, said solution further including an amount of chloride salt effective to enhance the hygroscopicity of said solution.
3. (original) A composition according to claim 1, further comprising a crosslinking agent in an amount effective to enhance the water resistance of said composition.
4. (original) A composition according to claim 1, further comprising a lignin compound.
5. (original) A composition comprising:
water;
a hemicellulose in solution in said water; and
a crosslinking agent, said crosslinking agent being present in an amount effective to enhance the water resistance of said composition.
6. (original) A composition according to claim 5, further comprising a chloride salt, said chloride salt being present in an amount effective to increase the hygroscopicity of said solution.
- 7-23. Canceled.
24. (previously presented) A composition according to claim 1, said corn hemicellulose comprising hemicellulose obtained by alkaline hydrolysis of corn hulls.
25. (previously presented) A composition according to claim 5, said hemicellulose comprising corn hemicellulose.

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26. (previously presented) A composition according to claim 25, said hemicellulose being derived from alkaline cooking of corn hulls.
27. (new) The composition of claim 1 comprising:
approximately 0.1 – 90 % corn hemicellulose on a dry solid basis; and
approximately 0.1 – 10% surfactant on a dry solid basis.
28. (new) The composition of claim 27 comprising approximately 10 – 50% hemicellulose on a dry solid basis.
29. (new) The composition of claim 27 further comprising an amount of chloride salt effective to enhance the hygroscopicity of said composition.
30. (new) The composition of claim 29 comprising approximately 4% by weight surfactant.
31. (new) The composition of claim 27 further comprising a cross-linking agent in an amount effective to enhance the water resistance of the composition.
32. (new) The composition of claim 27 wherein the hemicellulose is derived from alkaline cooking of corn hulls.
33. (new) A composition useful for dust suppression comprising:
corn hulls cooked under alkaline conditions; and
an amount of chloride salt effective to enhance the hygroscopicity of said composition.
34. (new) The composition of claim 33 wherein alkalinity is caused by an alkaline agent and the ratio of corn hulls to the alkaline agent is approximately 9:1.
35. (new) The composition of claim 34 wherein the alkaline agent is sodium hydroxide.
36. (new) The composition of claim 33 wherein the corn hulls are cooked in an extruder.
37. (new) The composition of claim 36 further comprising a surfactant, wherein the ratio of surfactant to corn hulls is approximately 1:25.

38. (new) The composition of claim 33 further comprising a lignin compound and wherein alkalinity is caused by an alkaline agent and the ratio of corn hulls to the alkaline agent is approximately 9:1.
39. (new) The composition of claim 33 further comprising a cross-linking agent.
40. (new) The composition of claim 39 further comprising a lignin compound.
41. (new) The composition of claim 33 further comprising an aqueous substance.
42. (new) The composition of claim 41 wherein the aqueous substance is water.
43. (new) An aqueous solution comprising:
approximately 0.1 – 90 % hemicellulose on a dry solid basis; and
approximately 0.1 – 10% surfactant on a dry solid basis.
44. (new) The aqueous solution of claim 43 further comprising water.
45. (new) The aqueous solution of claim 43 comprising approximately 10 – 50% hemicellulose on a dry solid basis.
46. (new) The aqueous solution of claim 45 further comprising an amount of chloride salt effective to enhance the hygroscopicity of said solution.
47. (new) The aqueous solution of claim 43 comprising approximately 4% by weight surfactant.
48. (new) The aqueous solution of claim 46 further comprising a cross-linking agent in an amount effective to enhance the water resistance of the solution.
49. (new) The aqueous solution of claim 43 wherein the hemicellulose comprises corn hemicellulose.

1,24,77,79,
43-45,49,50

3-5, 25, 26,
31-32,
47

50. (new) The aqueous solution of claim 49 wherein the hemicellulose is derived from alkaline cooking of corn hulls.
51. (new) A method for manufacturing a dust suppressant composition comprising combining (1) an extrudate that was formed from extrusion cooking of corn hulls in the presence of alkalinity with (2) water and (3) a chloride salt.
52. (new) The method of claim 51 wherein the chloride salt comprises magnesium chloride salt.
53. (new) The method of claim 51 wherein the combination of extrudate, water and chloride salt is further combined with a cross-linking agent.
54. (new) The method of claim 51 wherein the combination of extrudate, water and chloride salt is further combined with a lignin compound.
55. (new) The method of claim 54 wherein the combination of extrudate, water, chloride salt and a lignin compound is further combined with a cross-linking agent.
56. (new) A method of reducing the release of airborne dust from a surface containing dust fines comprising applying a solution to the surface in an amount sufficient to bind a portion of the dust fines, the solution comprising water and an extrudate, wherein the extrudate comprises the product of the extrusion of corn hulls in the presence of an alkaline agent.
57. (new) The method of claim 56 wherein the solution further comprises a chloride salt.
58. (new) The method of claim 57 wherein the chloride salt comprises magnesium chloride salt.
59. (new) The method of claim 56 wherein the application of the solution to the surface comprises spraying the solution onto the surface at a rate of approximately 0.33 gallon per square yard.